

**ABSTRACT:**

A data processing device is described which at least comprises a master controller (1), a first functional unit (2) which includes a slave controller (20), a second functional unit (3). The functional units (2,3) share common memory means (11). The device is programmed for executing an instruction by the first functional unit (2), the execution of  
5 said instruction involving input/output operations by the first functional unit (3), wherein output data of the first functional unit (2) is processed by the second functional unit (3) during said execution and/or the input data is generated by the second functional (3) unit during said execution.

10 Figure 1.